USGS science for a changing world

Earthquake Shaking — Green Alert

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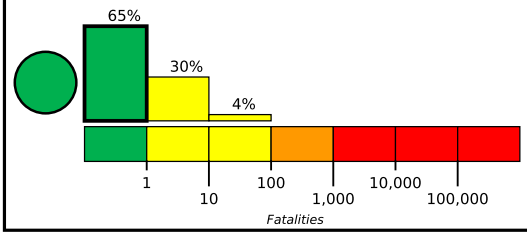
M 5.0, 41km W of Mentone, Texas

Origin Time: 2020-03-26 15:16:27 UTC (Thu 10:16:27 local)
Location: 31.7078° N 104.0386° W Depth: 6.6 km

PAGER Version 11

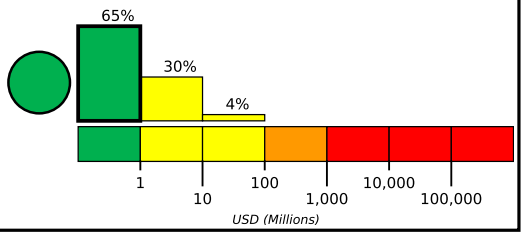
Created: 1 day, 22 hours after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

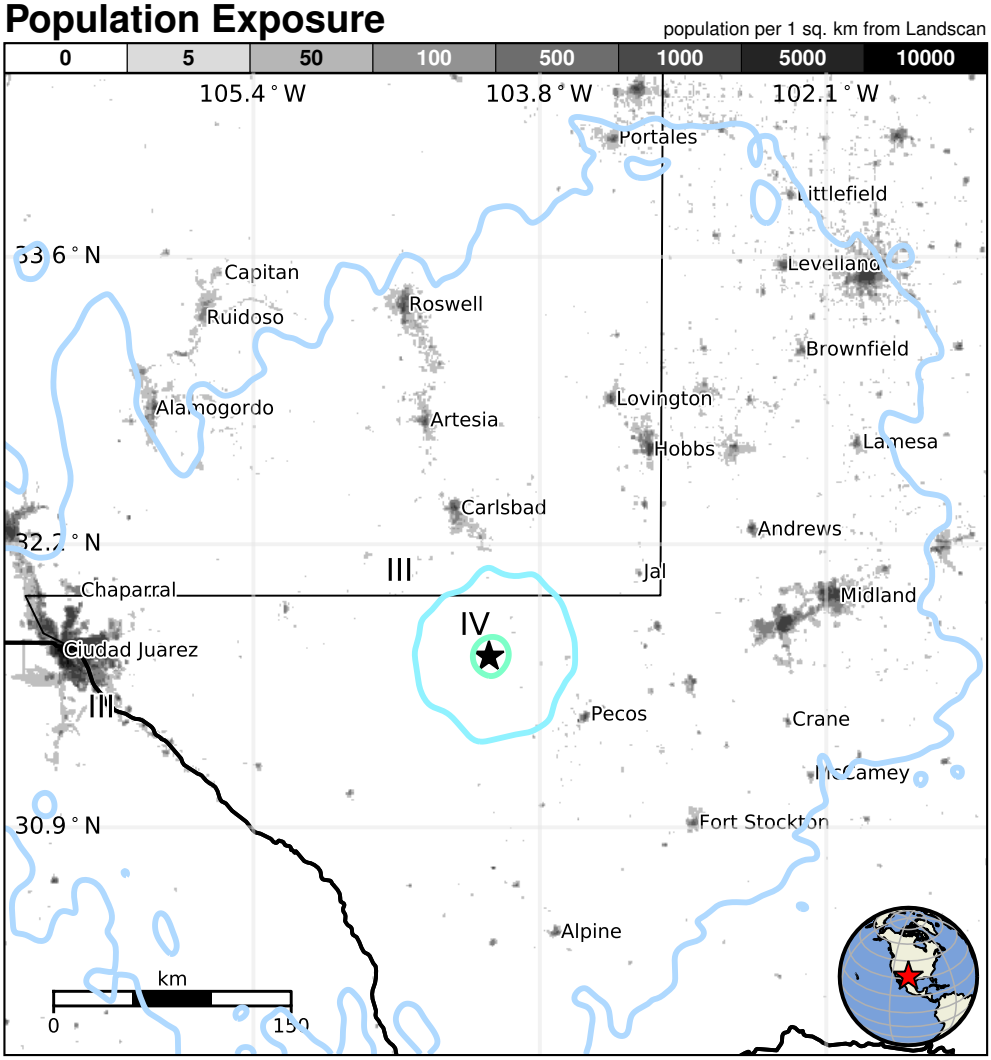


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	3,933k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1978-06-16	340	5.3	IV(18k)	–
1992-01-02	112	5.0	V(4k)	–
1995-04-14	171	5.7	V(7k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Mentone	0
III	Fabens	8k
III	**Pecos**	**9k**
III	San Elizario	14k
III	Socorro	32k
III	Socorro Mission Number 1 Colonia	29k
III	**Ciudad Juarez**	**1,512k**
III	El Paso	649k
III	**Midland**	**111k**
III	Odessa	100k
III	Lubbock	230k

bold cities appear on map. (k=x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

https://earthquake.usgs.gov/earthquakes/eventpage/us70008ggn#pager

Event ID: us70008ggn